

REMARKS

The following remarks are responsive to the Office Action mailed November 10, 2005.

Claims 1-82 were originally presented. Upon a restriction requirement, Claims 1-23 and 78-82 are currently pending.

Information Disclosure Statements

In reviewing the Official File Wrapper on Private Pair, Applicant notes that seven (7) Information Disclosure Statements were submitted by Applicant and received by the Patent Office as noted below. As the Examiner did not return signed and initialed 1449 forms in the present Office Action, Applicant – by way of courtesy copies – submits the following as Exhibit attachments to the present Amendment:

Exhibit A – A print-out of the File History from the USPTO Private Pair, showing the receipt of seven (7) Information Disclosure Statements.

Exhibits B-H – Copies of the 1449 forms submitted by Applicant and received on the following dates: 05-15-2002, 05-25-2002, 10-11-2002, 03-06-2003, 04-02-2003, 04-15-2003, and 07-15-2003 respectively.

Applicant respectfully requests that the Examiner consider the references listed in the attached 1449 forms and return signed and initialed copies in the next Office Action.

Missing Oath and Declaration:

The Examiner notes that the Oath and Declaration appears to be missing the application papers. Applicant's review of the Image File Wrapper on Private Pair appears to confirm the Examiner's observation.

Apparently, the application was filed originally without an executed Oath and Declaration. A Notice to File Missing Parts was mailed to the Applicant on February 14, 2002 – which indicated that, amongst other items, the Oath or Declaration was missing and, further to avoid abandonment, such items were to be submitted within two months (i.e. April 14, 2002).

The next item appearing in the Image File Wrapper on Private Pair is listed as "Transmittal to TC" on March 25, 2002. This Transmittal is annotated on the paper as being "Copy of Papers Originally Filed" which purports to be a copy of the Notice to File Missing Parts. Printed thereon appears to be fees received by the Patent Office in the amounts of "FC 201 [...] 370.00"; "FC 205 [...] 65.00"; "FC 203 [...] 558.00" and "FC 202 [...] 504.00". These fees appear to have been paid to the Patent Office no later than "03/27/2002" (as printed on the Transmittal). Additionally, these fees appear to be the correct amounts for the missing fees – after applying the small entity reduction to the fees. A copy of this Transmittal – as well as the transmittal sent by Applicant showing fees and Oath mailed on March 14, 2002 -- is attached as Exhibit I to this Amendment.

Further, Applicant is attaching to this Amendment a copy of Applicant's submission to the Patent Office in response to the Notice to File Missing Parts as Exhibit J. As may be seen, a fully executed Oath and Declaration was submitted by Applicant received in the Patent Office on March 25, 2002 – as evidenced by the

returned and stamped self addressed postcard. A true copy of the earlier submitted Oath and Declaration received in the Patent Office is being attached to this amendment as Exhibit K.

Applicant therefore believes that the Oath and Declaration has been properly submitted and that – unless Applicant hears otherwise from the Examiner – that no further action on this issue is required.

Claim Rejection under 35 USC § 112:

The Examiner has rejected Claims 1, 6, 11, 19, 24, 78, 81 and 82 under 35 USC 112, second paragraph, as being incomplete for omitting essential steps, such omissions amounting to a gap between the steps. (see MPEP 2172.01).

Applicant respectfully avers that – with the present amendment to Claims 1, 6, 11, 12, 13, 19, 78, 81 and 82 – the present rejection is now overcome. Applicant believes that the Examiner mistakenly rejected Claim 24, as Claim 24 was withdrawn from prosecution.

Claim Rejection under 35 USC § 103:

The Examiner rejects Claims 1-23, 78-82 under 35 USC 103(a) as being unpatentable over Satoshi (JP 06-214250).

Specifically, the Examiner states that – as to Claims 1, 6, 11, 19, and 78 – Satoshi discloses a display displaying images as a plurality of red pixels, green pixels and blue pixels, comprising: red pixels and said blue pixels by one-half. The Examiner

cites paragraphs 0002 and 0004 in the machine translation of Satoshi available from the Japanese Patent Office in support of this proposition.

The Examiner notes that Satoshi does not teach a green pixel from the red and blue pixel to offsetting. However, the Examiner avers that it would have been obvious to have offsetting any other pixels from each other would have done the same type of offsetting from each other as taught by Satoshi's because it would have better resolution.

As to Claims 1, 6, 11, 19 and 78 – as currently amended, Applicant respectfully traverses.

Claims 1, 6, 11, 19 and 78 require, among other limitations, that input image data be subpixel rendered into output image data which is then displayed as a set of logical pixels.

Applicant's reading of Satoshi does not reveal any teaching, disclosure or suggestion as to what Satoshi does to the image data itself in order to render the image as a superposition of the two images.

By contrast, Applicant discloses – in Figures 10 through 16 and Figures 21 through 23 and paragraphs 0051-0060 and 0063-0067 – how the input image is subpixel rendered into output image data for proper superpositioning of image data onto a projected display.

As Satoshi does not teach, disclose or suggest such a claim limitation, Applicant respectfully avers that the present rejection to Satoshi is now overcome and that Claims 1, 6, 11, 19 and 78 should be passed through to allowance.

As for Claims 2-5 and 7-10, the Examiner finds that Satoshi shows the display is a projector and said offsetting is completed optically and mechanically and electrostatically and magnetically. The Examiner cites paragraph 0006 in the Satoshi translation for support for this proposition.

Without further rebuttal from Applicant, Applicant notes that Claims 2-5 and 7-10 depend from allowable Claims 1 and 6 and, as such, are themselves allowable.

As for Claims 12-18, 79-82, the Examiner finds that Satoshi shows monochrome beams are convergent by less than about 50-75% and [a] plurality of monochrome beams are light beams; and wherein said imaging surface is a projection screen using a projector. The Examiner cites paragraph 0002 in the Satoshi translation for support for this proposition.

Without further rebuttal from Applicant, Applicant notes that Claims 12-18 and 79-82 depend from allowable Claims 11 and 78 and, as such, are themselves allowable.

As for Claims 20-23, the Examiner finds that Satoshi shows [a] plurality of electron beams is performed using electrostatic deflection is performed [sic?] using magnetic deflection of electron beams comprises a beam exciting substantially red emitting phosphors, a beam exciting substantially green emitting phosphors, and a beam exciting substantially blue emitting phosphors. The Examiner cites Figures 2 and 3 and the description of these Figures in the Satoshi translation for support for this proposition.

Without further rebuttal from Applicant, Applicant notes that Claims 20-23 depend from allowable Claim 19 and, as such, are themselves allowable.

Conclusion

In view of the foregoing amendments and remarks, Applicant respectfully submits that all pending Claims are patentable over the cited art of record and are in condition for allowance. Therefore, Applicant requests the Examiner to reconsider and withdraw the outstanding rejection and pass this application to allowance.

If the Examiner believes a telephone conference would expedite the allowance of the claims, the Examiner is invited to contact Stuart P. Kaler at (707) 824-2487.

Respectfully submitted,

Dated: May 10, 2006

By: /Stuart P. Kaler/
Stuart P. Kaler
Reg. No. 35, 913

Attachment:

Exhibit A – Printout of File History from Private Pair
Exhibits B-H – Copies of 1449 forms previously submitted
Exhibit I – Copies of TC Transmittal and Applicant Transmittal
Exhibit J – Copy Applicant's Submission in Response to Missing Parts
Exhibit K – Copy of Earlier Submitted Oath and Declaration

Appl. No. 10/047,995
Amdt. Dated May 10, 2006
Reply to Office Action of November 10, 2005

EXHIBIT A

Printout Of File History From USPTO Private Pair

2 Pages



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10/047,995

Color display pixel arrangements and ad

Select New Case	Applications by Customer	Application Data	Transaction History	Image File Wrapper	Cor E
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Transaction History

Date	Transaction Description
03-21-2006	Case Docketed to Examiner in GAU
11-10-2005	Mail Non-Final Rejection
10-03-2005	Non-Final Rejection
07-15-2005	Date Forwarded to Examiner
07-07-2005	Response after Non-Final Action
07-07-2005	Request for Extension of Time - Granted
03-10-2005	Mail Non-Final Rejection
03-07-2005	Non-Final Rejection
02-08-2005	Petition Decision - Granted
11-30-2004	Rescind Nonpublication Request for Pre Grant Pl
11-30-2004	Petition Entered
11-19-2004	Change in Power of Attorney (May Include Assoc
05-15-2002	Reference capture on IDS
07-13-2003	Reference capture on IDS
11-09-2004	Date Forwarded to Examiner
09-10-2004	Response to Election / Restriction Filed
09-10-2004	Workflow incoming amendment IFW
08-25-2004	Mail Restriction Requirement
08-23-2004	Requirement for Restriction / Election
08-23-2004	IFW TSS Processing by Tech Center Complete
07-12-2004	Correspondence Address Change
04-14-2004	Correspondence Address Change
02-11-2004	Case Docketed to Examiner in GAU
07-15-2003	Information Disclosure Statement (IDS) Filed
09-22-2003	Case Docketed to Examiner in GAU
04-15-2003	Information Disclosure Statement (IDS) Filed
04-02-2003	Information Disclosure Statement (IDS) Filed
03-06-2003	Information Disclosure Statement (IDS) Filed
03-18-2003	Correspondence Address Change
03-19-2003	Change in Power of Attorney (May Include Assoc
10-11-2002	Information Disclosure Statement (IDS) Filed
05-25-2002	Information Disclosure Statement (IDS) Filed

05-15-2002	Information Disclosure Statement (IDS) Filed
08-08-2002	Case Docketed to Examiner in GAU
04-15-2002	Application Dispatched from OIPE
04-15-2002	Application Is Now Complete
03-25-2002	Payment of additional filing fee/Preexam
03-25-2002	An assertion that the nature of the legal entities
03-25-2002	A statement by one or more inventors satisfying
02-14-2002	Notice Mailed--Application Incomplete--Filing Da
01-27-2002	IFW Scan & PACR Auto Security Review
01-14-2002	Initial Exam Team nn

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EXHIBIT B

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EXHIBIT C

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Form PTO 1449
(Rev. 2-32)

U.S. Department of Commerce
Patent and Trademark Office

Atty. Docket No.
CLRV-007

Serial No.
10/047,995

Information Disclosure Statement by Applicant

Applicant:
Candice Hellen Brown Elliott

Filed: January 24, 2002 Group: 2612

(Use several sheets if necessary)

U.S. Patent Documents

Init.	Document No.	Date	Name	Class	Subclass	Filing Date
1	3,971,065	07/20/1976	Bayer	358	41	03/05/1975
2	4,786,964	11/22/1988	Plummer et al.	358	44	02/02/1987
3	4,886,343	12/12/1989	Johnson	350	335	06/20/1988
4	4,920,409	04/24/1990	Yamagishi	358	56	06/20/1988
5	4,967,264	10/30/1990	Parulski	358	44	05/30/1989
6	5,113,274	05/12/1992	Takahashi et al.	359	333	06/08/1989
7	5,315,418	05/24/1994	Sprague	359	40	06/17/1992
8	5,334,996	08/02/1994	Tanigaki et al.	345	152	10/23/1990
9	5,341,153	08/23/1994	Benzschawel	345	152	06/13/1988
10	5,398,066	03/14/1995	Martinez-Uriegas et al.	348	393	07/27/1993
11	5,541,653	07/30/1996	Peters et al.	348	264	03/10/1995
12	5,561,460	10/01/1996	Katoh et al.	348	219	06/02/1994
13	5,754,226	05/19/1998	Yamada et al.	348	219	12/19/1995
14	6,008,868	12/28/1999	Silverbrook	348	790	03/13/1995
15	6,188,385	02/13/2001	Hill et al.	345	136	10/07/1998

Foreign Documents

							Translation	
Init.	Document No.	Date	Country	Class	Subclass		Yes	No

Other Documents (Including Author, Title, Date, Pertinent Pages, etc.)

16	R. Martin et al., "Detectability of reduced blue pixel count in projection displays", Proceedings of the Society for Information Display Symposium Digest, pp. 606-609, May 1993.

Examiner

Date Considered

Examiner: Initial if citation considered, whether or not citation is in conference with MPEP 609; Draw line through citation if not conformance and not considered. Include a copy of this form with the next communication to applicant.

EXHIBIT D

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2 Pages

INFORMATION DISCLOSURE CITATION

Atty. Docket No.	8831.0007	Appln. No.	10/047,995
Applicant	CANDICE HELLEN BROWN ELLIOTT		
Filing Date	January 14, 2002	Group:	2612

U.S. PATENT DOCUMENTS							
Examiner Initial*		Document Number	Issue Date	Name	Class	Sub Class	Filing Date If Appropriate
		4,751,535	Jun 14, 1988	Myers			
		4,966,441	Oct 30, 1990	Conner			
		5,792,579	Aug 11, 1998	Phillips			
		5,949,496	Sep 7, 1999	Kim			
		5,973,664	Oct 26, 1999	Badger			
		6,034,666	Mar 7, 2000	Kanai et al.			
		6,061,533	May 9, 2000	Kajiwara			
		6,108,122	Aug 22, 2000	Ulrich et al.			
		6,144,352	Nov 7, 2000	Matsuda et al.			
		6,271,891 B1	Aug 7, 2001	Ogawa et al.			
		6,299,329 B1	Oct 9, 2001	Mui et al.			
		6,377,262 B1	Apr 23, 2002	Hitchcock et al.			

FOREIGN PATENT DOCUMENTS						
	Document Number	Publication Date	Country	Class	Sub Class	Translation Yes or No

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)	
	Adobe Systems, Inc., website, 2002, http://www.adobe.com/products/acrobat/cooltype.html .
	Betrissey, C., et al., "Displaced Filtering for Patterned Displays," 2000, <u>Society for Information Display (SID) 00 Digest</u> , pp. 296-299.
	Carvajal, D., "Big Publishers Looking Into Digital Books," April 3, 2000, <u>The New York Times</u> , Business/Financial Desk.
	Gibson Research Corporation, website, "Sub-Pixel Font Rendering Technology, How It Works," 2002, http://www.grc.com/ctwhat.html .
	Microsoft Corporation, website, 2002, http://www.microsoft.com/reader/ppc/product/cleartype.html .

INFORMATION DISCLOSURE CITATION

Atty. Docket No.	8831.0007	Appln. No.	10/047,995
Applicant	CANDICE HELLEN BROWN ELLIOTT		
Filing Date	January 14, 2002	Group:	2612

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)	
	Microsoft Press Release, November 15, 1998, "Microsoft Research Announces Screen Display Breakthrough at COMDEX/Fall '98, PR Newswire.
	Murch, M., "Visual Perception Basics," 1987, <u>SID</u> , Seminar 2, Tektronix, Inc., Beaverton, Oregon.
	Wandell, Brian A., Stanford University, "Fundamentals of Vision: Behavior, Neuroscience and Computation," June 12, 1994, <u>Society for Information Display (SID) Short Course S-2</u> , Fairmont Hotel, San Jose, California.
	U.S. Patent Application Publication No. US 2002/0015110 A1, February 7, 2002, Brown Elliott.

Examiner	Date Considered
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OMB No. 0651-0011

Atty. Docket No.	8831.0007	Appln. No.	10/047,995
Applicant	Candice Hellen Brown Elliott		
Filing Date	January 14, 2002	Group:	2612

U.S. PATENT DOCUMENTS							
Examiner Initial*		Document Number	Issue Date	Name	Class	Sub Class	Filing Date If Appropriate
		6,243,055 B1	Jun 5, 2001	Ferguson			

FOREIGN PATENT DOCUMENTS							
		Document Number	Publication Date	Country	Class	Sub Class	Translation Yes or No
		06-102503	Apr 15, 1994	Japan			Yes

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)	

Examiner	Date Considered
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INFORMATION DISCLOSURE CITATION

Atty. Docket No.	8831.0007	Appln. No.	10/047,995
Applicant	Candice Hellen Brown Elliott		
Filing Date	January 14, 2002	Group:	2612

U.S. PATENT DOCUMENTS

Examiner Initial*	Document Number	Issue Date	Name	Class	Sub Class	Filing Date If Appropriate
	4,353,062	Oct 5, 1982	Lorteije et al.			
	4,642,619	Feb 10, 1987	Togashi			
	4,792,728	Dec 20, 1988	Chang et al.			
	5,113,274	May 12, 1992	Takahashi et al.			
	6,002,446	Dec 14, 1999	Eglit			
	6,198,507 B1	Mar 6, 2001	Ishigami			
	6,327,008 B1	Dec 4, 2001	Fujiyoshi			
	6,392,717 B1	May 21, 2002	Kunzman			
	6,453,067 B1	Sep 17, 2002	Morgan et al.			
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Document Number	Publication Date	Country	Class	Sub Class	Translation Yes or No
EP 0 158 366 A2	Oct 16, 1985	EPO			
EP 0 203 005 A1	Nov 26, 1986	EPO			Yes; Abstract only
EP 0 322 106 A2	Jun 28, 1989	EPO			
EP 0 812 114 A1	Dec 10, 1997	EPO			
EP 1 261 014 A2	Nov 27, 2002	EPO			Yes; Abstract only
GB 2 133 912 A	Aug 1, 1984	UK			
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JP 60-107022	Jun 12, 1985	JP			Yes; Abstract only
JP 02-000826 A	Jan 5, 1990	JP			Yes; Abstract only
JP 03-036239 B	May 30, 1991	JP			
JP 02-983027 B2	Nov 29, 1999	JP			Yes; Abstract only
WO 01/29817 A1	Apr 26, 2001	PCT			
WO 03/014819 A1	Feb 20, 2003	PCT			

INFORMATION DISCLOSURE CITATION

Atty. Docket No.	8831.0007	Appln. No.	10/047,995
Applicant	Candice Hellen Brown Elliott		
Filing Date	January 14, 2002	Group:	2612

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)	
	Booth, Jr., Lawrence A., "Method and Apparatus for Wide Gamut Multicolor Display," U.S. Patent Application Publication, Publication No. US 2003/0011613 A1, January 16, 2003.
	"ClearType magnified," <u>Wired Magazine</u> , November 8, 1999, Microsoft Typography, article posted November 8, 1999, and last updated January 27, 1999, © 1999 Microsoft Corporation, 1 page.
	Credelle, Thomas L. et al., "P-00: MTF of High-Resolution PenTile Matrix™ Displays," <u>Eurodisplay 02 Digest</u> , 2002, pages 1-4.
	Daly, Scott, "Analysis of Subtriad Addressing Algorithms by Visual System Models," <u>SID Symp. Digest</u> , June 2001, pages 1200-1203.
	Elliott, Candice H. Brown et al., "Color Subpixel Rendering Projectors and Flat Panel Displays," New Initiatives in Motion Imaging, SMPTE Advanced Motion Imaging Conference, February 27-March 1, 2003, Seattle, Washington, pages 1-4.
	Elliott, Candice H. Brown et al., "Co-optimization of Color AMLCD Subpixel Architecture and Rendering Algorithms," <u>SID Symp. Digest</u> , May 2002, pages 172-175.
	Feigenblatt, R.I., "Full-color imaging on amplitude-quantized color mosaic displays," <u>SPIE</u> , Vol. 1075, Digital Image Processing Applications, 1989, pages 199-204.
	Hayashi, Kenkichi, "Image Signal Processing Device for Minimizing False Signals at Color Boundaries," U.S. Patent Application Publication, Publication No. US 2002/0140831 A1, October 3, 2002.
	Hoelen, Christoph Gerard August et al., "Light Panel with Enlarged Viewing Window," U.S. Patent Application Publication, Publication No. US 2003/0043567 A1, March 6, 2003.
	Johnston, Stuart J., "An Easy Read: Microsoft's ClearType," <u>InformationWeek Online</u> , Redmond, WA, November 23, 1998, 3 pages.
	Johnston, Stuart J., "Clarifying ClearType," <u>InformationWeek Online</u> , Redmond, WA, January 4, 1999, 4 pages.
	"Just Outta Beta," <u>Wired Magazine</u> , December 1999, Issue 7.12, 3 pages.
	Klompenerhouwer, Michiel A. et al., "Subpixel Image Scaling for Color Matrix Displays," <u>SID Symp. Digest</u> , May 2002, pages 176-179.
	Kusunoki, Toshiaki et al., "Display Device Using Thin Film Cathode and Its Process," U.S. Patent Application Publication, Publication No. US 2001/0017515 A1, August 30, 2001.
	Markoff, John, "Microsoft's ClearType Sets Off Debate on Originality," <u>The New York Times</u> , December 7, 1998, 5 pages.
	"Microsoft ClearType," http://www.microsoft.com/opentype/cleartype , September 26, 2002, 4 pages.
	Platt, John C., "Optimal Filtering for Patterned Displays," Microsoft Research, <u>IEEE Signal Processing Letters</u> , 2000, 4 pages.
	Platt, John, "Technical Overview of ClearType Filtering," Microsoft Research, http://research.microsoft.com/users/jplatt/cleartype/default.aspx , September 17, 2002, 3 pages.

INFORMATION DISCLOSURE CITATION

Atty. Docket No.	8831.0007	Appln. No.	10/047,995
Applicant	Candice Hellen Brown Elliott		
Filing Date	January 14, 2002	Group:	2612

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)	
	Poor, Alfred, "LCDs: The 800-pound Gorilla," <u>Information Display</u> , September 2002, pages 18-21.
	"Ron Feigenblatt's remarks on Microsoft ClearType™," http://www.geocities.com/SiliconValley/Ridge/6664/ClearType.html , December 5, 1998, December 7, 1998, December 12, 1999, December 26, 1999, December 30, 1999, and June 19, 2000, 30 pages.
	"Sub-Pixel Font Rendering Technology," © 2003 Gibson Research Corporation, Laguna Hills, CA, 2 pages.
	Werner, Ken, "OLEDs, OLEDs, Everywhere...", <u>Information Display</u> , September 2002, pages 12-15.
	Yamazaki, Shunpei, "Semiconductor Device and Manufacturing Method Thereof," U.S. Patent Application Publication, Publication No. US 2001/0040645 A1, November 15, 2001.
	Yamazaki, Shunpei et al., "Electro-Optical Device," U.S. Patent Application Publication, Publication No. US 2002/0017645 A1, February 14, 2002.

Examiner	Date Considered
<p>*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.</p>	
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EXHIBIT G

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2 Pages

INFORMATION DISCLOSURE CITATION

Atty. Docket No.	8831.0007	Appln. No.	10/047,995
Applicant	Candice Hellen Brown Elliott		
Filing Date	January 14, 2002	Group:	2612

U.S. PATENT DOCUMENTS						
Examiner Initial*	Document Number	Issue Date	Name	Class	Sub Class	Filing Date If Appropriate
	4,651,148	Mar 17, 1987	Takeda et al.			
	4,773,737	Sep 27, 1988	Yokono et al.			
	4,800,375	Jan 24, 1989	Silverstein et al.			
	4,853,592	Aug 1, 1989	Strathman			
	4,874,986	Oct 17, 1989	Menn et al.			
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	4,965,565	Oct 23, 1990	Noguchi			
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	5,052,785	Oct 1, 1991	Takimoto et al.			
	5,132,674	Jul 21, 1992	Bottomf			
	5,144,288	Sep 1, 1992	Hamada et al.			
	5,311,337	May 10, 1994	McCartney, Jr.			
	5,461,503	Oct 24, 1995	Deffontaines et al.			
	5,535,028	Jul 9, 1996	Bae et al.			
	5,563,621	Oct 8, 1996	Silsby			
	5,579,027	Nov 26, 1996	Sakurai et al.			
	5,821,913	Oct 13, 1998	Mamiya			
	6,038,031	Mar 14, 2000	Murphy			
	6,049,626	Apr 11, 2000	Kim			
	6,097,367	Aug 1, 2000	Kuriwaki et al.			
	6,184,903 B1	Feb 6, 2001	Omori			
	6,219,025 B1	Apr 17, 2001	Hill et al.			
	6,225,973 B1	May 1, 2001	Hill et al.			
	6,236,390 B1	May 22, 2001	Hitchcock			
	6,239,783 B1	May 29, 2001	Hill et al.			
	6,243,070 B1	Jun 5, 2001	Hill et al.			
	6,327,008 B1	Dec 4, 2001	Fujiyoshi			

INFORMATION DISCLOSURE CITATION

Atty. Docket No.	8831.0007	Appln. No.	10/047,995
Applicant	Candice Hellen Brown Elliott		
Filing Date	January 14, 2002	Group:	2612

FOREIGN PATENT DOCUMENTS							
		Document Number	Publication Date	Country	Class	Sub Class	Translation Yes or No

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)	
	Bechtel et al., U.S. Patent Application Publication, Pub. No.: US 2002/0190648 A1, Publication Date: December 19, 2002.

Examiner	Date Considered
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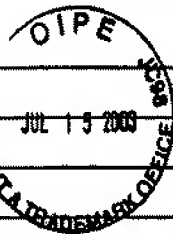
EXHIBIT H

Copy of 1449

2 Pages

INFORMATION DISCLOSURE CITATION

OMB No. 0651-0011



Atty. Docket No.	8831.0007	Appln. No.	10/047,995
Applicant	Candice Hellen Brown ELLIOTT		
Filing Date	January 14, 2002	Group:	2612

U.S. PATENT DOCUMENTS

Examiner Initial*	Document Number	Issue Date	Name	Class	Sub Class	Filing Date If Appropriate
	4,593,978	Jun 10, 1986	Mourey et al.			
	5,233,385	Aug 3, 1993	Sampsell			
	5,436,747	Jul 25, 1995	Suzuki			
	5,815,101	Sep 29, 1998	Fonte			
	6,225,967 B1	May 1, 2001	Hebiguchi			
	6,360,023 B1	Mar 19, 2002	Betrissey et al.			
	6,393,145 B2	May 21, 2002	Betrissey et al.			
	6,441,867 B1	Aug 27, 2002	Daly			

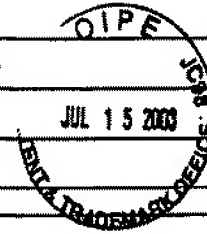
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JUL 16 2003
Technology Center 2600

FOREIGN PATENT DOCUMENTS

	Document Number	Publication Date	Country	Class	Sub Class	Translation Yes or No
	DE 199 23 527 A1	Nov 23, 2000	Germany			Yes, except drawings
	DE 199 23 527 A1	Nov 23, 2000	Germany			No, includes drawings
	JP 03-78390	Apr 3, 1991	Japan			Yes; except drawings
	JP 03-78390	Apr 3, 1991	Japan			No; includes drawings
	WO 00/42564	Jul 20, 2000	PCT			
	WO 00/42762	Jul 20, 2000	PCT			
	WO 00/45365	Aug 3, 2000	PCT			
	WO 01/10112 A2	Feb 8, 2001	PCT			
	WO 01/52546 A2	Jul 19, 2001	PCT			
	WO 02/059685 A2	Aug 1, 2002	PCT			

INFORMATION DISCLOSURE CITATION

Atty. Docket No.	8831.0007	Appln. No.	10/047,995
Applicant	Candice Hellen Brown ELLIOTT		
Filing Date	January 14, 2002	Group:	2612



FOREIGN PATENT DOCUMENTS

	Document Number	Publication Date	Country	Class	Sub Class	Translation Yes or No

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

	Choo, Kyo Seop et al., "Data Wire Device of Pentile Matrix Display Device," U.S. Patent Application Publication, Pub. No.: 2003/0071943 A1, Apr 17, 2003.
	Goertzen, Kenbe D., "System and Method for Optimizing Image Resolution Using Pixelated Imaging Device," U.S. Patent Application Publication, Pub. No.: 2003/0071826 A1, Apr 17, 2003.
	Kunzman, Adam J., "Reduced Color Separation White Enhancement for Sequential Color Displays," U.S. Patent Application Publication, Pub. No.: 2002/0122160 A1, Sep 5, 2002.
	Lee, Baek-woon et al., "40.5L: Late-News Paper: TFT-LCD with RGBW Color System," <u>SID 03 Digest</u> , 2003, pp. 1212-1215.
	Sun, Xiuhong, "Multispectral Imaging System with Spatial Resolution Enhancement," U.S. Patent Application Publication, Pub. No.: 2002/0012071 A1, Jan 31, 2002.

Examiner	Date Considered
<p>*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.</p>	
Form PTO 1449	Patent and Trademark Office - U.S. Department of Commerce

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JUL 16 2003

Technology Center 2600

EXHIBIT I

**Copy of USPTO Transmittal
to TC and Transmittal from**

Applicant

5 Pages



MAR 25 2002

UNITED STATES PATENT AND TRADEMARK OFFICE

COMMISSIONER FOR PATENTS
UNITED STATES PATENT AND TRADEMARK OFFICE
WASHINGTON, D.C. 20231
www.uspto.gov

APPLICATION NUMBER	FILING/RECEIPT DATE	FIRST NAMED APPLICANT	ATTORNEY DOCKET NUMBER
10/047,995	01/14/2002	Candice Hellen Brown Elliott	CLR-V-007

28661
SIERRA PATENT GROUP, LTD.
P O BOX 6149
STATELINE, NV 89449

CONFIRMATION NO. 3268

FORMALITIES LETTER



OC000000007476999

COPY OF PAPERS
ORIGINALLY FILED

Date Mailed: 02/14/2002

NOTICE TO FILE MISSING PARTS OF NONPROVISIONAL APPLICATION

03/27/2002 KABRAHAI 00000069 10047395

FILED UNDER 37 CFR 1.53(b)

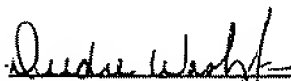
01 FC:201	370.00 DP
02 FC:205	65.00 DP
03 FC:203	558.00 DP
04 FC:202	504.00 DP

Filing Date Granted

An application number and filing date have been accorded to this application. The item(s) indicated below, however, are missing. Applicant is given **TWO MONTHS** from the date of this Notice within which to file all required items and pay any fees required below to avoid abandonment. Extensions of time may be obtained by filing a petition accompanied by the extension fee under the provisions of 37 CFR 1.136(a).

- The statutory basic filing fee is missing.
Applicant must submit \$ 740 to complete the basic filing fee for a non-small entity. If appropriate, applicant may make a written assertion of entitlement to small entity status and pay the small entity filing fee (37 CFR 1.27).
- Total additional claim fee(s) for this application is \$2124.
 - \$1116 for 62 total claims over 20.
 - \$1008 for 12 independent claims over 3 .
- The oath or declaration is missing.
A properly signed oath or declaration in compliance with 37 CFR 1.63, identifying the application by the above Application Number and Filing Date, is required.
- To avoid abandonment, a late filing fee or oath or declaration surcharge as set forth in 37 CFR 1.16(l) of \$130 for a non-small entity, must be submitted with the missing items identified in this letter.
- The balance due by applicant is \$ 2994.

*A copy of this notice **MUST** be returned with the reply.*



Customer Service Center
Initial Patent Examination Division (703) 308-1202

PART 2 - COPY TO BE RETURNED WITH RESPONSE



PATENT
Docket No.: CLRV-007

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Group Art Unit: 2612

Examiner: Not yet assigned

Serial No.: 10/047,995

Filed: January 14, 2002

COPY OF PAPERS
ORIGINALLY FILED

In re Application of: Candice Hellen Brown Elliott

For: COLOR DISPLAY PIXEL ARRANGEMENTS AND ADDRESSING MEANS

Certificate of Mailing

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as First Class Mail, in an envelope addressed to Director of Patents Box Missing Parts, Washington, D.C. 20231 on 3/14/02 Signed Stephanie Davis
Stephanie Davis

RESPONSE TO NOTICE TO FILE MISSING PARTS

Director of Patents
Box Missing Parts
Washington, D.C. 20231

Dear Sirs:

Responsive to the Notice to File Missing Parts dated February 14, 2002,
please find enclosed herewith:

1. A Declaration and Power of Attorney, executed by the inventor;
2. Check in the amount of \$1,497.00 for a small entity calculated as follows:

Filing Fee	\$370.00
62 Additional Claims	\$558.00
12 Additional Independent Claims	\$504.00
Surcharge	\$65.00
Total	\$1,497.00

3. Copy of Notice to File Missing Parts.



PATENT
Docket No.: CLR-V-007

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Group Art Unit: 2612

Examiner: Not yet assigned

Serial No.: 10/047,995

Filed: January 14, 2002

COPY OF PAPERS
ORIGINALLY FILED

In re Application of: Candice Hellen Brown Elliott

For: COLOR DISPLAY PIXEL ARRANGEMENTS AND ADDRESSING MEANS

Certificate of Mailing

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Stephanie Davis

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Washington, D.C. 20231

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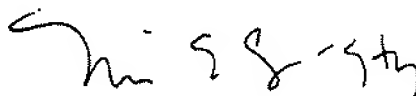
Filing Fee	\$370.00
62 Additional Claims	\$558.00
12 Additional Independent Claims	\$504.00
<u>Surcharge</u>	<u>\$65.00</u>
Total	\$1,497.00

3. Copy of Notice to File Missing Parts.

In the event any variance exists between the amount enclosed and the patent office charges for filing the above-noted documents, including any fees required under 37 CFR 1.136 for any necessary Extension of Time to make the filing of the attached documents timely, the Assistant Commissioner is hereby authorized to charge or credit the difference to our Deposit Account No. 50-0612. An additional copy of this page is enclosed.

Respectfully submitted,
Sierra Patent Group, Ltd.

Dated: March 14, 2002



Nicole E. Coppes-Gathy
Reg. No. 46,640

Sierra Patent Group, Ltd.
P.O. Box 6149
Stateline, NV 89449
(775) 586-9500

★ ★ ★
 1360
 2620 \$00.570 MAR 14 21
 6044 MAILED FROM ZIP CODE 891



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PB3514

2620 \$00.570 MAR 14 21

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Sierra Patent Group, Ltd.
 ATTORNEYS AT LAW
 P.O. BOX 6149
 STATELINE, NEVADA 89449

Director of Patents
 Box Missing Parts
 Washington, D.C. 20231

RECEIVED
 MAR 25 2002
 USPTO MAIL CENTER

COPY OF MAIL
 ORIGINALLY FILED

EXHIBIT J

**Copy of Applicant's
Submission to USPTO in
Response to Notice to File
Missing Parts
8 Pages**

Please acknowledge receipt of the following by affixing hereon the Patent Office date stamp and returning this card to our office.

Inventor(s): Candice Hellen Brown Elliott
Serial No.: 10/047,995
Filing Date: January 14, 2002
Attorney: Nicole E. Coppes-Gathy
Docket No.: CLRV-007
Title: COLOR DISPLAY PIXEL ARRANGEMENT AND ADDRESSING MEANS

Papers Filed: Response to Notice to File Missing Parts, executed Declaration and Power of Attorney, a check in the amount of \$1,497.00, and a copy of the Notice to File Missing Parts.

3/14/02
sdd

Please acknowledge receipt of the following by affixing hereon the Patent Office date stamp and returning this card to our office.

Inventor(s): Candice Hellen Brown Elliott
Serial No.: 10/047,995
Filing Date: January 14, 2002
Attorney: Nicole E. Coppes-Gathy
Docket No.: CLRV-007
Title: COLOR DISPLAY PIXEL ARRANGEMENT AND ADDRESSING MEANS

Papers Filed: Response to Notice to File Missing Parts, executed Declaration and Power of Attorney, a check in the amount of \$1,497.00, and a copy of the Notice to File Missing Parts.

3/14/02
sdd



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Group Art Unit: 2612

Examiner: Not yet assigned

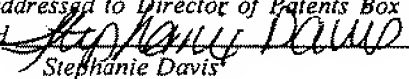
Serial No.: 10/047,995

Filed: January 14, 2002

In re Application of: Candice Hellen Brown Elliott

For: COLOR DISPLAY PIXEL ARRANGEMENTS AND ADDRESSING MEANS

Certificate of Mailing

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as First Class Mail, in an envelope addressed to Director of Patents Box Missing Parts, Washington, D.C. 20231 on 3/14/02. Signed  Stephanie Davis

RESPONSE TO NOTICE TO FILE MISSING PARTS

Director of Patents
Box Missing Parts
Washington, D.C. 20231

Dear Sirs:

Responsive to the Notice to File Missing Parts dated February 14, 2002, please find enclosed herewith:

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2. Check in the amount of \$1,497.00 for a small entity calculated as follows:

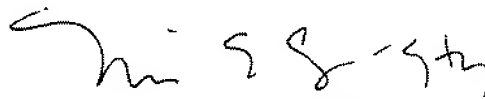
Filing Fee	\$370.00
62 Additional Claims	\$558.00
12 Additional Independent Claims	\$504.00
<u>Surcharge</u>	<u>\$65.00</u>
Total	\$1,497.00

3. Copy of Notice to File Missing Parts.

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Respectfully submitted,
Sierra Patent Group, Ltd.

Dated: March 14, 2002

A handwritten signature in black ink, appearing to read 'Nicole E. Coppes-Gathy'.

Nicole E. Coppes-Gathy
Reg. No. 46,640

Sierra Patent Group, Ltd.
P.O. Box 6149
Stateline, NV 89449
(775) 586-9500

DECLARATION & POWER OF ATTORNEY

As a below-named inventor, I hereby declare that:

My correct residence, post office address and citizenship are stated below next to my name.

I believe I am the original, first and sole inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled:

"COLOR DISPLAY PIXEL ARRANGEMENTS AND ADDRESSING MEANS"

The specification of this subject matter:

is attached hereto.

X was filed on January 14, 2002

X was assigned serial No. 10/047,995

which was amended on _____.

I hereby state that I have reviewed and understand the contents of the above-identified patent application, including the claims, as amended by any amendment(s) referred to above. I do not know and do not believe that the claimed invention was ever known or used in the United States of America before my invention thereof, or patented or described in any printed publication in any country before my invention thereof or more than one year prior to this application, that the same was not in public use or on sale in the United States of America more than one year prior to this application, and that the invention has not been patented or made the subject of an inventor's certificate issued before the date of this application in any country foreign to the United States of America on an application filed by me or my legal representatives or assigns more than twelve months (for a utility patent application) or six months (for a design patent application) prior to this application.

I acknowledge the duty to disclose information which is material to the examination of this application in accordance with 37 C.F.R. §1.56(a).

I hereby claim foreign priority benefits under 35 U.S.C. §119 (a)-(d) of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed.

Prior Foreign Application(s)

Priority Claimed

Number	Country	Month/Day/Year Filed	Yes	No
Number	Country	Month/Day/Year Filed	Yes	No
Number	Country	Month/Day/Year Filed	Yes	No

I hereby claim the benefit under 35 U.S.C. §119(e) of any United States provisional application(s) listed below:

<u>60/290,088</u>	<u>05/09/2001</u>
Application Number	Filing Date
<u>60/301,088</u>	<u>06/25/2001</u>
Application Number	Filing Date

I hereby claim the benefit under 35 U.S.C. §120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in these prior United States application(s) in the manner provided by 35 U.S.C. §112, I acknowledge the duty to disclose material information as defined in 37 C.F.R. §1.56(a) which occurred between the filing date of the prior application(s) and the national or PCT international filing date of this application.

Application No.	Filing Date	Status (Issued, Pending, Abandoned)
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Application No.	Filing Date	Status (Issued, Pending, Abandoned)
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Application No.	Filing Date	Status (Issued, Pending, Abandoned)
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Application No.	Filing Date	Status (Issued, Pending, Abandoned)
-----------------	-------------	-------------------------------------

I hereby appoint Kenneth D'Alessandro, Reg. No. 29,144; Timothy Brisson, Reg. No.: 44,046; Andrew V. Smith, Reg. No.: 43,132; Michael A. Blake, Reg. No.: 42,333; Kristin C. Castle, Reg. No. 47,208; Andrew D. Gathy, Reg. No. 46,441; Nicole E. Coppes-Gathy, Reg. No. 46,640; Edward M. Bushard, Reg. No. 48,974; William D. Beard, Reg. No. 48,888; Barbara J. Luther, Reg. No. 33,954; John W. Crosby, Reg. No. 49,054; William P. Wilbar, Reg. No. 43,265; and all Registered Attorneys and Registered Agents of Sierra Patent Group, Ltd. as attorneys of record with full power of substitution and revocation, to prosecute this application and transact all business in the United States Patent and Trademark Office connected therewith, and certifies that it is the assignee of the entire right, title and interest in the patent application identified above by virtue of an assignment, a copy of which is attached, from the inventor(s) of the patent application identified above.

Please send all correspondence and direct all telephone calls to:

Customer No. 28661
 Nicole E. Coppes-Gathy
 Sierra Patent Group, Ltd.
 P.O. Box 6149
 Stateline, NV 89449
 Telephone (775) 586-9500

I, the undersigned, declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code,

and that such willful false statements may jeopardize the validity of the application or any patent issuing therefrom.

FULL NAME OF INVENTOR 1:

Name	MIDDLE Initial(s)	LAST Name
------	-------------------	-----------

Candice	Hellen	Brown Elliott
---------	--------	---------------

RESIDENCE AND CITIZENSHIP

City	State or Foreign Country	Country of Citizenship
------	--------------------------	------------------------

Vallejo	California	United States of America
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POST OFFICE ADDRESS

Number and Street	City	State or Country	Zip Code
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I further declare that all statements made herein of my own knowledge are true and that all statements made upon information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

	3-5-2002
Signature of Inventor 1	Date

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CLIENT TRUST ACCOUNT

P.O. BOX 6149

STATELINE, NV 89449

(775) 586-9500

WELLS FARGO BANK NEVADA, N.A.

ZEPHYR COVE, NV 89448

94-7074-3212

3500

03/14/02

PAY TO THE
ORDER OF

Director of Patents

\$ **1,497.00

One Thousand Four Hundred Ninety-Seven and 00/100*****

DOLLARS

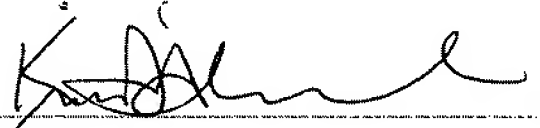
Director of Patents

Box Missing Parts

Washington, D.C. 20231

MEMO

CLRV-007; 10/047,995 Filing fees



⑈003500⑈ ⑆321270742⑆0001228234⑈

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CLRV-007; 10/047,995 Filing fees

1,497.00



UNITED STATES PATENT AND TRADEMARK OFFICE

COMMISSIONER FOR PATENTS
UNITED STATES PATENT AND TRADEMARK OFFICE
WASHINGTON, D.C. 20231
www.uspto.gov

APPLICATION NUMBER	FILING/RECEIPT DATE	FIRST NAMED APPLICANT	ATTORNEY DOCKET NUMBER
10/047,995	01/14/2002	Candice Hellen Brown Elliott	CLRV-007

CONFIRMATION NO. 3268

28661
SIERRA PATENT GROUP, LTD.
P O BOX 6149
STATELINE, NV 89449

FORMALITIES LETTER



OC00000007475999

Date Mailed: 02/14/2002

NOTICE TO FILE MISSING PARTS OF NONPROVISIONAL APPLICATION

FILED UNDER 37 CFR 1.53(b)

Filing Date Granted

An application number and filing date have been accorded to this application. The item(s) indicated below, however, are missing. Applicant is given **TWO MONTHS** from the date of this Notice within which to file all required items and pay any fees required below to avoid abandonment. Extensions of time may be obtained by filing a petition accompanied by the extension fee under the provisions of 37 CFR 1.136(a).

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Applicant must submit \$ 740 to complete the basic filing fee for a non-small entity. If appropriate, applicant may make a written assertion of entitlement to small entity status and pay the small entity filing fee (37 CFR 1.27).
- Total additional claim fee(s) for this application is \$2124.
 - \$1116 for 62 total claims over 20.
 - \$1008 for 12 independent claims over 3 .
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- The balance due by applicant is \$ 2994.

*A copy of this notice **MUST** be returned with the reply.*

Customer Service Center
Initial Patent Examination Division (703) 308-1202

PART 2 - COPY TO BE RETURNED WITH RESPONSE

EXHIBIT K

Copy of Earlier Submitted

Oath and Declaration

3 Pages

DECLARATION & POWER OF ATTORNEY

As a below-named inventor, I hereby declare that:

My correct residence, post office address and citizenship are stated below next to my name.

I believe I am the original, first and sole inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled:

"COLOR DISPLAY PIXEL ARRANGEMENTS AND ADDRESSING MEANS"

The specification of this subject matter:

is attached hereto.

X was filed on January 14, 2002

X was assigned serial No. 10/047,995

which was amended on _____.

I hereby state that I have reviewed and understand the contents of the above-identified patent application, including the claims, as amended by any amendment(s) referred to above. I do not know and do not believe that the claimed invention was ever known or used in the United States of America before my invention thereof, or patented or described in any printed publication in any country before my invention thereof or more than one year prior to this application, that the same was not in public use or on sale in the United States of America more than one year prior to this application, and that the invention has not been patented or made the subject of an inventor's certificate issued before the date of this application in any country foreign to the United States of America on an application filed by me or my legal representatives or assigns more than twelve months (for a utility patent application) or six months (for a design patent application) prior to this application.

I acknowledge the duty to disclose information which is material to the examination of this application in accordance with 37 C.F.R. §1.56(a).

I hereby claim foreign priority benefits under 35 U.S.C. §119 (a)-(d) of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed.

Prior Foreign Application(s)

Priority Claimed

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Number	Country	Month/Day/Year Filed	Yes	No
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Application Number	Filing Date
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Application Number	Filing Date

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Application No.	Filing Date	Status (Issued, Pending, Abandoned)
Application No.	Filing Date	Status (Issued, Pending, Abandoned)
Application No.	Filing Date	Status (Issued, Pending, Abandoned)

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Please send all correspondence and direct all telephone calls to:

Customer No. 28661
 Nicole E. Coppes-Gathy
 Sierra Patent Group, Ltd.
 P.O. Box 6149
 Stateline, NV 89449
 Telephone (775) 586-9500

I, the undersigned, declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code,

and that such willful false statements may jeopardize the validity of the application or any patent issuing therefrom.

FULL NAME OF INVENTOR 1:

Name

MIDDLE Initial(s)

LAST Name

CandiceHellenBrown Elliott

RESIDENCE AND CITIZENSHIP

City

State or Foreign Country

Country of Citizenship

VallejoCaliforniaUnited States of America

POST OFFICE ADDRESS

Number and Street

City

State or Country

Zip Code

531 York StreetVallejoCalifornia94590

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 3-5-2002

Signature of Inventor

Date